

What is claimed is:

1. A method of manufacturing a liquid crystal display constituted by bonding first and second substrates, said method comprising the steps of:

5       dropping a liquid crystal on said first substrate;

          performing an alignment between said first and second substrates while pressing said second substrate on a surface of said first substrate on which said liquid crystal is dropped with a predetermined pressure in a vacuum chamber  
10       where the internal pressure is below a predetermined value;  
          and

          releasing said vacuum chamber into atmospheric pressure.

2. The method of manufacturing a liquid crystal display according to claim 1, further comprising the step of fixing  
15       each of said first and second substrates on first and second surface plates by first and second supporter for restraining the displacement in the surface direction, before performing the alignment between said first and second substrates.

3. The method of manufacturing a liquid crystal display  
20       according to claim 2, wherein

          said first surface plate has a first substrate sucker sucking said first substrate, and

          said second surface plate has a second substrate sucker sucking said second substrate.

25       4. The method of manufacturing a liquid crystal display according to claim 3, wherein

          fixing said first substrate on said first surface plate by said first supporter comprises the step of squeezing two

sides of said first substrate perpendicular to each other on each plane of first and second fixing members, said first fixing member being fixed on a surface of said first surface plate on which said first substrate sucker is provided and  
5 having said plane vertical to the surface, and said second fixing member being fixed on a surface of said first surface plate on which said first substrate sucker is provided and having said plane vertical to the surface of said first surface plate and said plane of said first fixing member, and

10 fixing said second substrate on said second surface plate by said second supporter comprises the step of squeezing two sides of said second substrate perpendicular to each other on each of said planes of third and fourth fixing members, said third fixing member being fixed on a surface of said  
15 second surface plate on which said second substrate sucker is provided and having said plane vertical to the surface, and said fourth fixing member being fixed on a surface of said second surface plate on which said second substrate sucker is provided and having said plane vertical to the surface of said  
20 second surface plate and said plane of said third fixing member.

5. The method of manufacturing a liquid crystal display according to claim 1, further comprising the step of performing an electrostatic suction of said first and second  
25 substrates on said first and second surface plates, respectively, after dropping said liquid crystal.

6. The method of manufacturing a liquid crystal display according to claim 1, further comprising the steps of:

dropping a photo-curable resin on said first substrate after dropping said liquid crystal; and

irradiating ultraviolet rays to said photo-curable resin with the state of pressing said second substrate on said first substrate with a predetermined pressure after performing the alignment between said first and second substrates.

7. A method of manufacturing a liquid crystal display constituted by bonding first and second substrates, said method comprising the steps of:

10        dropping a liquid crystal on said first substrate;  
         applying a photo-curable resin on said first substrate;  
         performing an alignment between said first and second substrates by sliding said first substrate in two axial directions parallel to the surface and in a circumferential direction having an axis vertical to said surface as a  
15        rotating axis, in a vacuum chamber where the internal pressure is below a predetermined value, while pressing said second substrate on a surface of said first substrate on which said liquid crystal is dropped with a predetermined pressure;  
20        irradiating ultraviolet rays to said photo-curable resin in the state that said first and second substrates are press-welded; and

         releasing said vacuum chamber into atmospheric pressure.